

=====

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2007; month=12; day=13; hr=10; min=18; sec=48; ms=335;]

=====

Reviewer Comments:

<210> 21

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_DNA

<222> (20)..(21)

<223> n stands for deoxy thymidine

<400> 21

ggaccaggaa auuccgauun n

21

If <213> response is Artificial, please give the source of genetic material in numeric identifier <223>, this type of error is shown in seq id 22.

Application No: 10542408

Version No: 1.0

Input Set:**Output Set:****Started:** 2007-11-21 18:01:39.451**Finished:** 2007-11-21 18:01:41.039**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 588 ms**Total Warnings:** 16**Total Errors:** 4**No. of SeqIDs Defined:** 22**Actual SeqID Count:** 22

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
E 257	Invalid sequence data feature in <221> in SEQ ID (21)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
E 257	Invalid sequence data feature in <221> in SEQ ID (22)

Input Set:

Output Set:

Started: 2007-11-21 18:01:39.451
Finished: 2007-11-21 18:01:41.039
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 588 ms
Total Warnings: 16
Total Errors: 4
No. of SeqIDs Defined: 22
Actual SeqID Count: 22

Error code	Error Description
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (22)

SEQUENCE LISTING

<110> Takeda Pharmaceutical Company Limited

<120> Novel Screening Method

<130> G05-0036

<140> 10542408

<141> 2007-11-21

<150> JP 2003-010001

<151> 2003-01-17

<150> JP 2003-104540

<151> 2003-04-08

<150> JP 2003-194497

<151> 2003-07-09

<150> JP 2003-329080

<151> 2003-09-19

<150> PCT/JP2004/000248

<151> 2004-01-15

<160> 22

<210> 1

<211> 361

<212> PRT

<213> Homo sapiens

<400> 1

```

Met Ser Pro Glu Cys Ala Arg Ala Ala Gly Asp Ala Pro Leu Arg Ser
      5              10              15
Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
      20              25              30
Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
      35              40              45
Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
      50              55              60
Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
      65              70              75              80
Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
      85              90              95
Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
      100             105             110
Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
      115             120             125
Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
      130             135             140
Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
      145             150             155             160
Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
      165             170             175
Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser

```

				180					185					190	
Ile	Cys	Thr	Leu	Ile	Trp	Pro	Thr	Ile	Pro	Gly	Glu	Ile	Ser	Trp	Asp
			195				200					205			
Val	Ser	Phe	Val	Thr	Leu	Asn	Phe	Leu	Val	Pro	Gly	Leu	Val	Ile	Val
			210			215					220				
Ile	Ser	Tyr	Ser	Lys	Ile	Leu	Gln	Ile	Thr	Lys	Ala	Ser	Arg	Lys	Arg
225					230					235					240
Leu	Thr	Val	Ser	Leu	Ala	Tyr	Ser	Glu	Ser	His	Gln	Ile	Arg	Val	Ser
			245						250					255	
Gln	Gln	Asp	Phe	Arg	Leu	Phe	Arg	Thr	Leu	Phe	Leu	Leu	Met	Val	Ser
			260					265					270		
Phe	Phe	Ile	Met	Trp	Ser	Pro	Ile	Ile	Ile	Thr	Ile	Leu	Leu	Ile	Leu
			275				280					285			
Ile	Gln	Asn	Phe	Lys	Gln	Asp	Leu	Val	Ile	Trp	Pro	Ser	Leu	Phe	Phe
			290			295					300				
Trp	Val	Val	Ala	Phe	Thr	Phe	Ala	Asn	Ser	Ala	Leu	Asn	Pro	Ile	Leu
305					310					315					320
Tyr	Asn	Met	Thr	Leu	Cys	Arg	Asn	Glu	Trp	Lys	Lys	Ile	Phe	Cys	Cys
			325						330					335	
Phe	Trp	Phe	Pro	Glu	Lys	Gly	Ala	Ile	Leu	Thr	Asp	Thr	Ser	Val	Lys
			340					345					350		
Arg	Asn	Asp	Leu	Ser	Ile	Ile	Ser	Gly							
			355				360								


```

actgaggcct ggctgttggg gcccgtcgtc tgccacctgc tcttctacgt gatgacaatg 360
agcggcagcg tcacgaccc cactactggc gcggtcagcc tggagcgcac ggtgtgcatc 420
gtgcgcctcc ggcgcggtct gagcgcccg gggcggcgga ctacggcggc actgctggct 480
ttcatatggg gttactcggc gctcgccgcg ctgcccctct gcatcttggt ccgcgtggtc 540
ccgcagcgcc ttcccgcgcg ggaccaggaa attccgattt gcacattgga ttggcccaac 600
cgcataggag aaatctcatg ggatgtgttt tttgtgactt tgaacttcct ggtgccggga 660
ctggtcattg tgatcagtta ctccaaaatt ttacagatca cgaaagcatc gcggaagagg 720
cttacgctga gcttggcata ctctgagagc caccagatcc gagtgtccca acaagactac 780
cgactcttcc gcacgctctt cctgctcatg gtttccttct tcatcatgtg gagtcccatc 840
atcatcacca tcctcctcat cttgatccaa aacttcgggc aggacctggg catctggcca 900
tcccttttct tctgggtggg ggccttcacg ttgccaact ctgcctaaa cccatactg 960
tacaacatgt cgctgttcag gaacgaatgg aggaagattt tttgctgctt cttttttcca 1020
gagaaggagg ccatttttac agacacgtct gtcaggcgaa atgacttgtc tgttatttcc 1080
agc 1083

```

```

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> primer

```

```

<400> 5
gctgtggcat gcttttaaac 20

```

```

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> primer

```

```

<400> 6
cgctgtggat gtctatttgc 20

```

```

<210> 7
<211> 30
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> primer

```

```

<400> 7
agttcatttc cagtaccctc catcagtggc 30

```

```

<210> 8
<211> 361
<212> PRT
<213> Rattus norvegicus

```

```

<400> 8
Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser Arg Thr
      5                      10                      15
Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys

```


gtgcgcctgc	ggcgcggcctt	gagcggcccg	ggcgcggcgga	cgcaggcggc	gctgctggct	480
ttcatatggg	gttactcggc	gctcgcgcgc	ctgcccctct	gcattcttgt	ccgcgtggtc	540
ccgcagcgcc	ttcccggcgg	ggaccaggaa	attccgattt	gcacattgga	ttggcccaac	600
cgcataggag	aaatctcatg	ggatgtgttt	tttgtgactt	tgaacttcct	ggtaccagga	660
ctggtcattg	tgatcagcta	ctccaagatt	ttacagatca	cgaaagcctc	gcggaagagg	720
cttacgctga	gcttggcata	ctccgagagc	caccagatcc	gagtgtccca	gcaggactac	780
cggctcttcc	gaacgctctt	cctgctcatg	gtttccttct	tcatcatgtg	gagtcccatc	840
atcatcacca	tcctcctcat	cttgatccag	aacttcgcgc	aggacctggg	tatctggccg	900
tcccttttct	tctgggtggg	ggccttcacg	tttgccaaact	ccgcctaaa	ccccattctg	960
tacaacatgt	cgtgtttcag	gagcgagtg	aggaagattt	tttgctgctt	ctttttccca	1020
gagaagggag	ccattttttac	agaaacgtct	atcaggcgaa	atgacttgtc	tgttatttcc	1080
acc						1083

<210> 10
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

<400> 10	
gtggtggcct	tcacgtttg
	19

<210> 11
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

<400> 11	
cgctcctgaa	cagcgacat
	19

<210> 12
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> probe

<400> 12	
caactccgcc	ctaaacccca
ttctgt	
	26

<210> 13
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

<400> 13	
gtcgacatgt	cccctgagtg
tgcgcagacg	acg
	33

<210> 14
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 14
gctagcttag gtggaaataa cagacaagtc att 33

<210> 15
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 15
tccgagtgtc ccaacaagac tac 23

<210> 16
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 16
gactccacat gatgaagaag gaaa 24

<210> 17
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> probe

<400> 17
ccgcacgctc ttctgtctca tg 22

<210> 18
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 18
gtggtggcct tcacgtttg 19

<210> 19
<211> 19

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer

 <400> 19
 cgctcctgaa cagcgacat 19

 <210> 20
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> probe

 <400> 20
 caactccgcc ctaaacccca ttctgt 26

 <210> 21
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> misc_DNA
 <222> (20)..(21)
 <223> n stands for deoxy thymidine

 <400> 21
 ggaccaggaa auuccgauun n 21

 <210> 22
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> misc_DNA
 <222> (1)..(2)
 <223> n stands for deoxy thymidine

 <400> 22
 nncuggucc uuuaaggcua a 21